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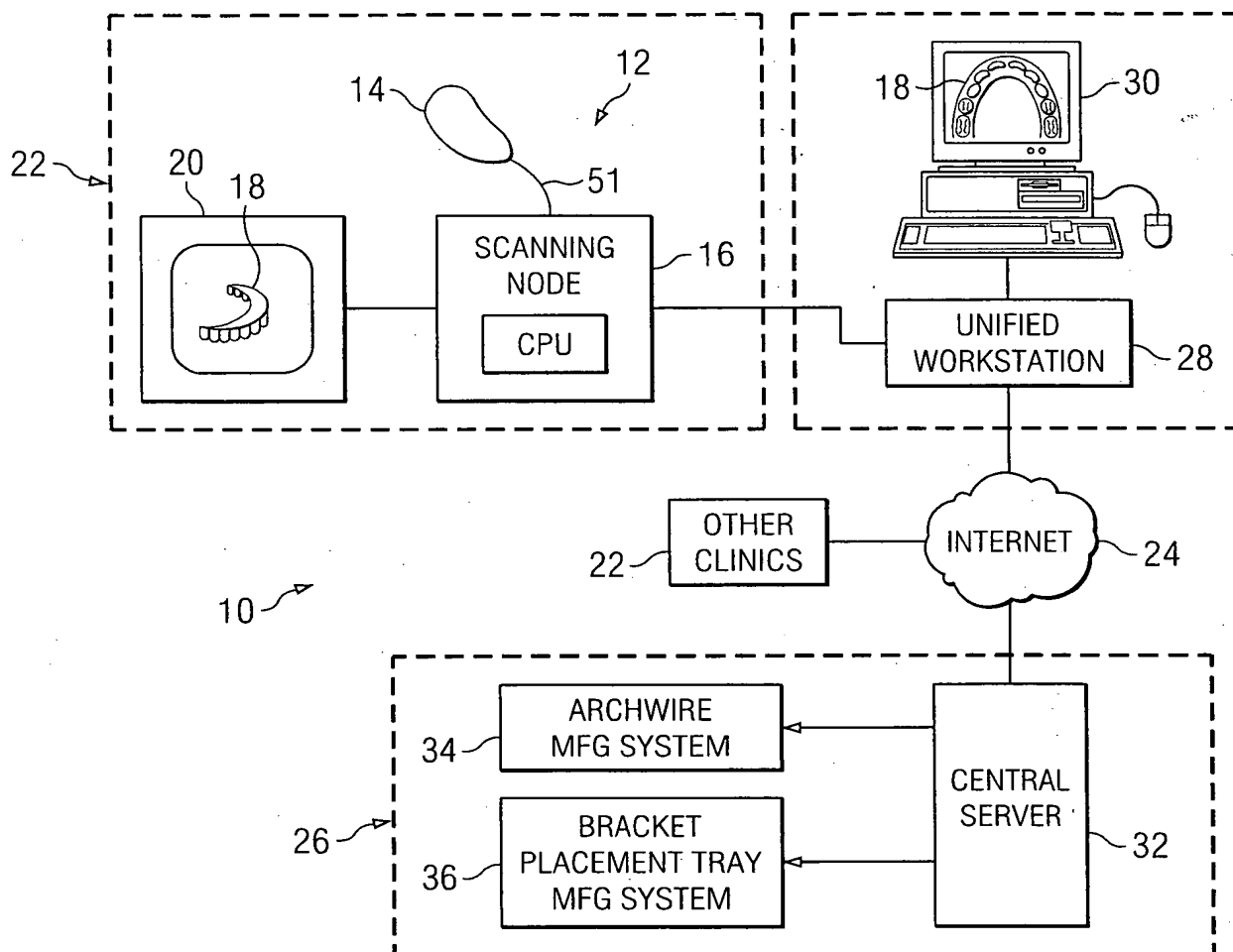


FIG. 1

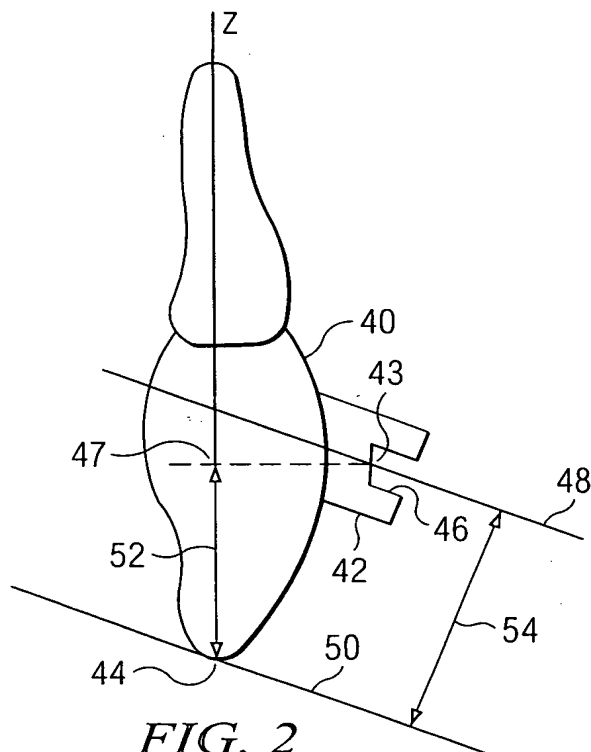
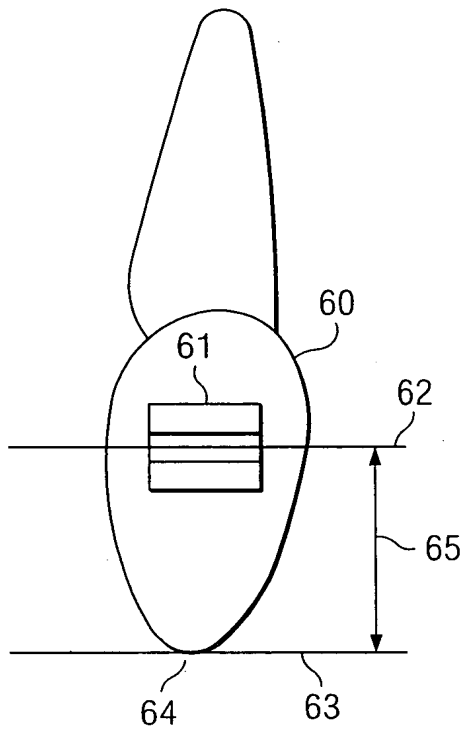
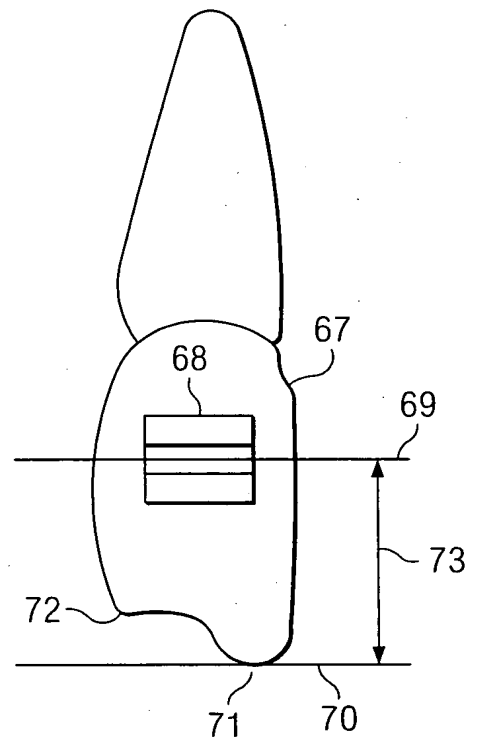
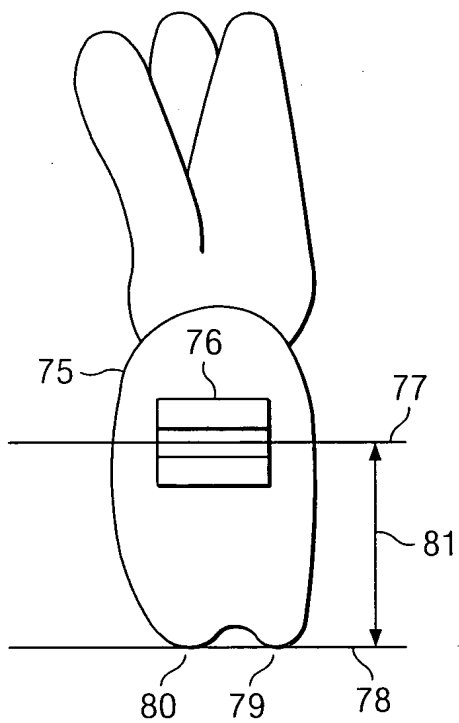
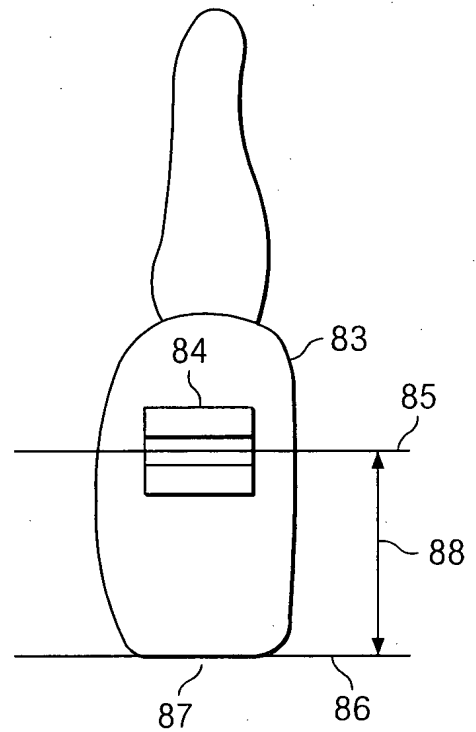


FIG. 2

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*FIG. 2A**FIG. 2B**FIG. 2C**FIG. 2D*

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FIG. 3

File Edit View AdminTools Help

Patient Information OraScan Digital Impression Case Management Digital Treatment Planning

Mandible Space Management

Reference Model Initial #1

Camera Navigation

90

Occlusal Plane

Arch Length Discrepancy

Right -0.6mm

Left -2.3mm

Mandible

Parameter	Vertical Positions	A-P Positions	Extractions/Stripping	Displacements	Brackets
48	Ormco Molar Single 2nd Molar			Ormco Molar Single 2nd Molar	38
47	Ormco Molar Single 2nd Molar			Ormco Molar Single 2nd Molar	37
46	Ormco Molar Double 1st Molar			Ormco Molar Double 1st Molar	36
45	Ormco Minidiamond Twin g/o Hook 2nd Bicuspid			Ormco Minidiamond Twin g/o Hook 2nd Bicuspid	35
44	Ormco Minidiamond Twin Hook 1st Bicuspid			Ormco Minidiamond Twin Hook 1st Bicuspid	34
43	Ormco Minidiamond Twin Hook Cuspid			Ormco Minidiamond Twin Hook Cuspid	33
42	Ormco Minidiamond Twin Anterior			Ormco Minidiamond Twin Anterior	32
41	Ormco Minidiamond Twin Anterior			Ormco Minidiamond Twin Anterior	31

Remove Order

Display Brackets

OraMetric Active Real Order in Work

Treatment Strategy*

Midline and Esthetic Occlusal Plane*

Occlusal Plane and A-P Positions*

Axial Reference Teeth*

Tooth Mesio-Distal Axis

Alignment 2D - 3D

Mandible Space Management

Maxilla Space Management

Space Management (Mandible and Maxilla)

Space Management Summary*

Order Information

(*is required)

By Status By Type By Date

Not Yet Ordered

Setups

Plant 2003/10/21 03:42AM

In Production

Needs Review

Finished

Canceled

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FIG. 4

File Edit View AdminTools Help

Patient Information Digital Impression Case Management Digital Treatment Planning

OraScan

Not Yet Ordered
 -- Setsups
 -- Plant 2003/10/21 03:42AM
 -- In Production
 -- Needs Review
 -- Finished
 -- Canceled

By Status By Type By Date

Treatment Strategy*
 Midline and Esthetic Occlusal Plane*
 Occlusal Plane and A-P Positions*
 Axial Reference Teeth*
 Tooth Mesio-Distal Axis
 Alignment 2D - 3D

Mandible Space Management
 Maxilla Space Management
 Space Management (Mandible and Maxilla)
 Space Management Summary*
 Order Information
 (*is required)

Remove Order

For Help, press F1

Mandible Space Management

Reference Model Initial #1

Bracket Navigation Plane

Camera Navigation

95

Parameter	Vertical Positions	A-P Positions	Extractions/Stripping	Displacements	Brackets
48	Ormco Molar Single 2nd Molar			Ormco Molar Single 2nd Molar	38
47	Ormco Molar Single 2nd Molar			Ormco Molar Single 2nd Molar	37
46	Ormco Molar Double 1st Molar			Ormco Molar Double 1st Molar	36
45	Ormco Minidiamond Twin g/o Hook 2nd Bicuspid			Ormco Minidiamond Twin g/o Hook 2nd Bicuspid	35
44	Ormco Minidiamond Twin Hook 1st Bicuspid			Ormco Minidiamond Twin Hook 1st Bicuspid	34
43	Ormco Minidiamond Twin Hook Cuspid			Ormco Minidiamond Twin Hook Cuspid	33
42	Ormco Minidiamond Twin Anterior			Ormco Minidiamond Twin Anterior	32
41	Ormco Minidiamond Twin Anterior			Ormco Minidiamond Twin Anterior	31

Arch Length Discrepancy
 Right -0.6mm
 Left -2.3mm
 Mandible

Order in Work

Real Active

OraMetric

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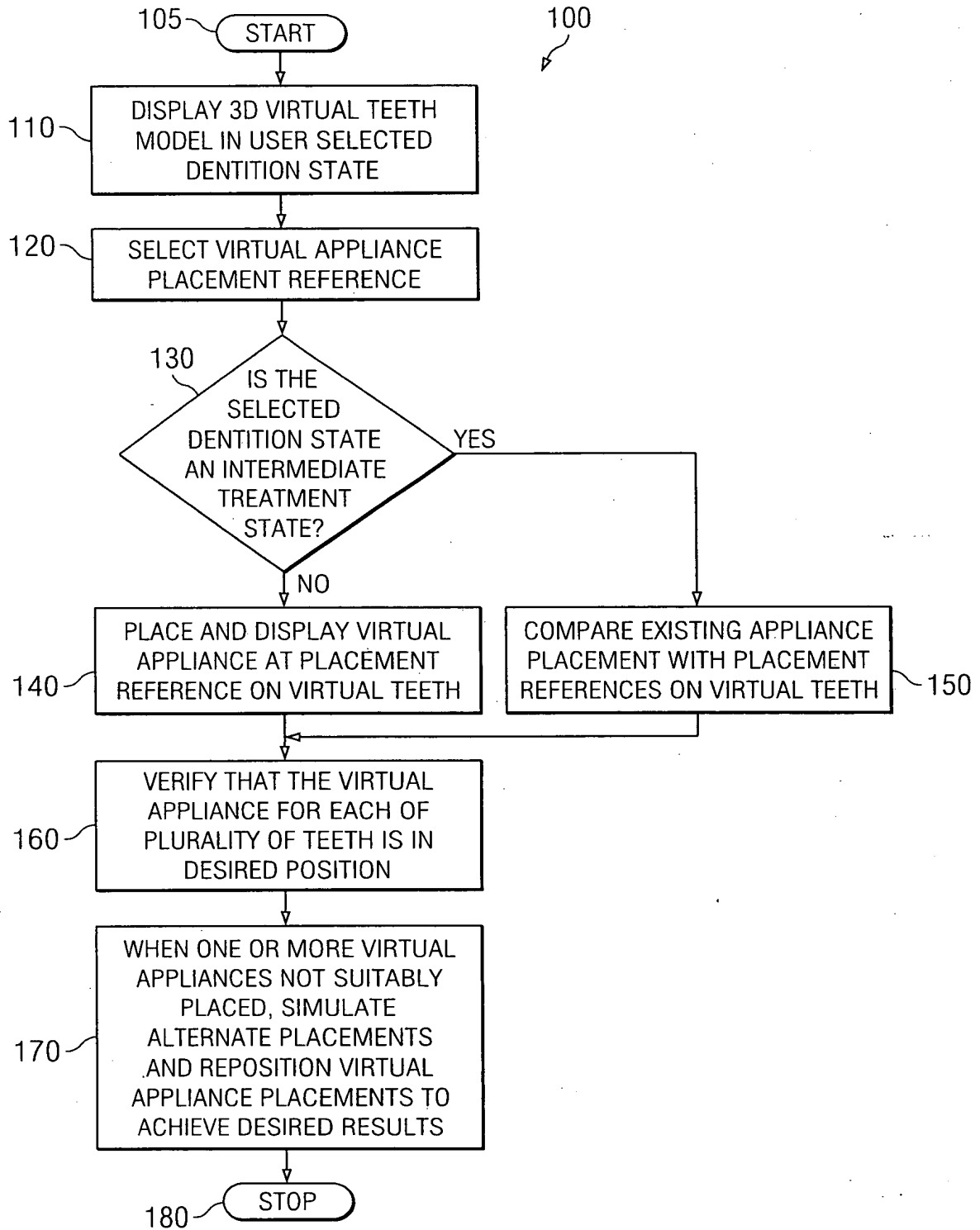


FIG. 5

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FIG. 6

File Edit View AdminTools Help

Patient Information OraScan Digital Impression Case Management Digital Treatment Planning

Not Yet Ordered -- Setsups -- Plan: 2003/10/21 03:42AM -- In Production -- Needs Review -- Finished -- Canceled

By Status By Type By Date

Treatment Strategy*
 Midline and Esthetic Occlusal Plane*
 Occlusal Plane and A-P Positions*
 Axial Reference Teeth*
 Tooth Mesio-Distal Axis
 Alignment 2D - 3D

Mandible Space Management

Maxilla Space Management
 Space Management (Mandible and Maxilla)
 Space Management Summary*
 Order Information
 (*is required)

Remove Order

Align to: Malocclusion Lateral Segments Arch Form Natural

Midline Shift R none L

Cuspid Dist. 29.0 (reference 29.0) mm Overbite 3.8 mm

Molar Distance 47.1 (reference 47.1) mm Overjet 3.6 mm

Arch Depth Right: 32.5 Left: 30.6

Arch Length Discrepancy Right -0.2mm Left -0.2mm Mandible

Extractions/Stripping Displacements Brackets

Reference Model Initial #1

Bracket Navigation Plane

Camera Navigation

200

Order in Work

For Help, press F1

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FIG. 7

File Edit View AdminTools Help

Patient Information OraScan Digital Impression Case Management Digital Treatment Planning

Mandible Space Management

Reference Model Initial #1

240

230

220

Tooth 35

Camera Navigation

Align to; Malocclusion Straight Wire Arch Form Natural

Parameter Vertical Positions A-P Positions Extractions/Stripping Displacements Brackets

Midline Shift R none L

Cuspid Dist. 29.1 (reference 29.0) mm

Molar Distance 49.1 (reference 47.1) mm

Arch Depth Right: 34.1 Left: 33.9

Overbite 3.3 mm

Overjet 3.3 mm

Arch Length Discrepancy Right 0.0mm Left 0.0mm Mandible

Order in Work

Real Active OraMetrix

Not Yet Ordered

Setups

Plant 2003/10/21 03:42AM

In Production

Needs Review

Finished

Canceled

By Status By Type By Date

Treatment Strategy*

Midline and Esthetic Occlusal Plane*

Occlusal Plane and A-P Positions*

Axial Reference Teeth*

Tooth Mesio-Distal Axis

Alignment 2D - 3D

Mandible Space Management

Maxilla Space Management

Space Management (Mandible and Maxilla)

Space Management Summary*

Order Information

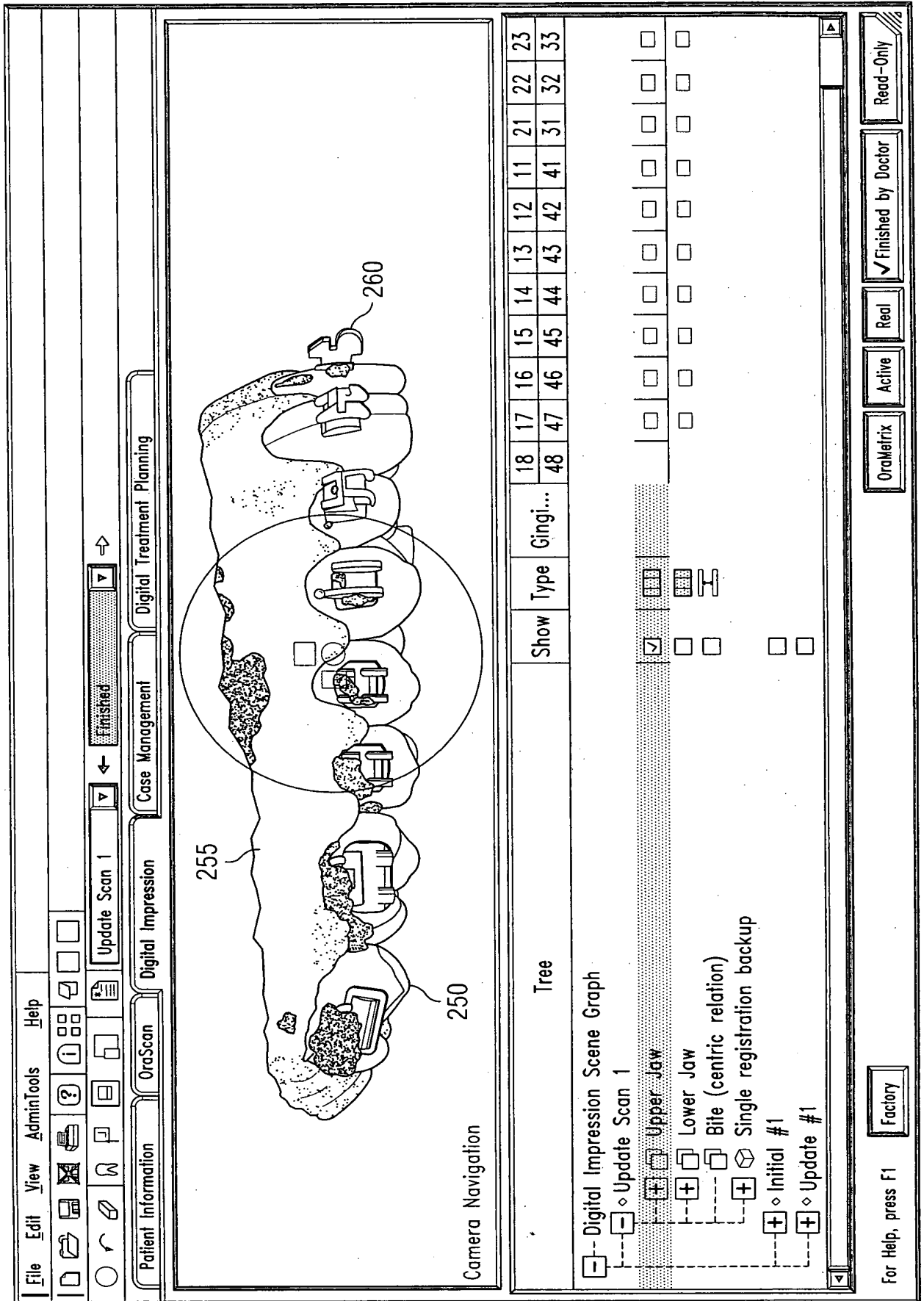
(*is required)

Remove Order

For Help, press F1

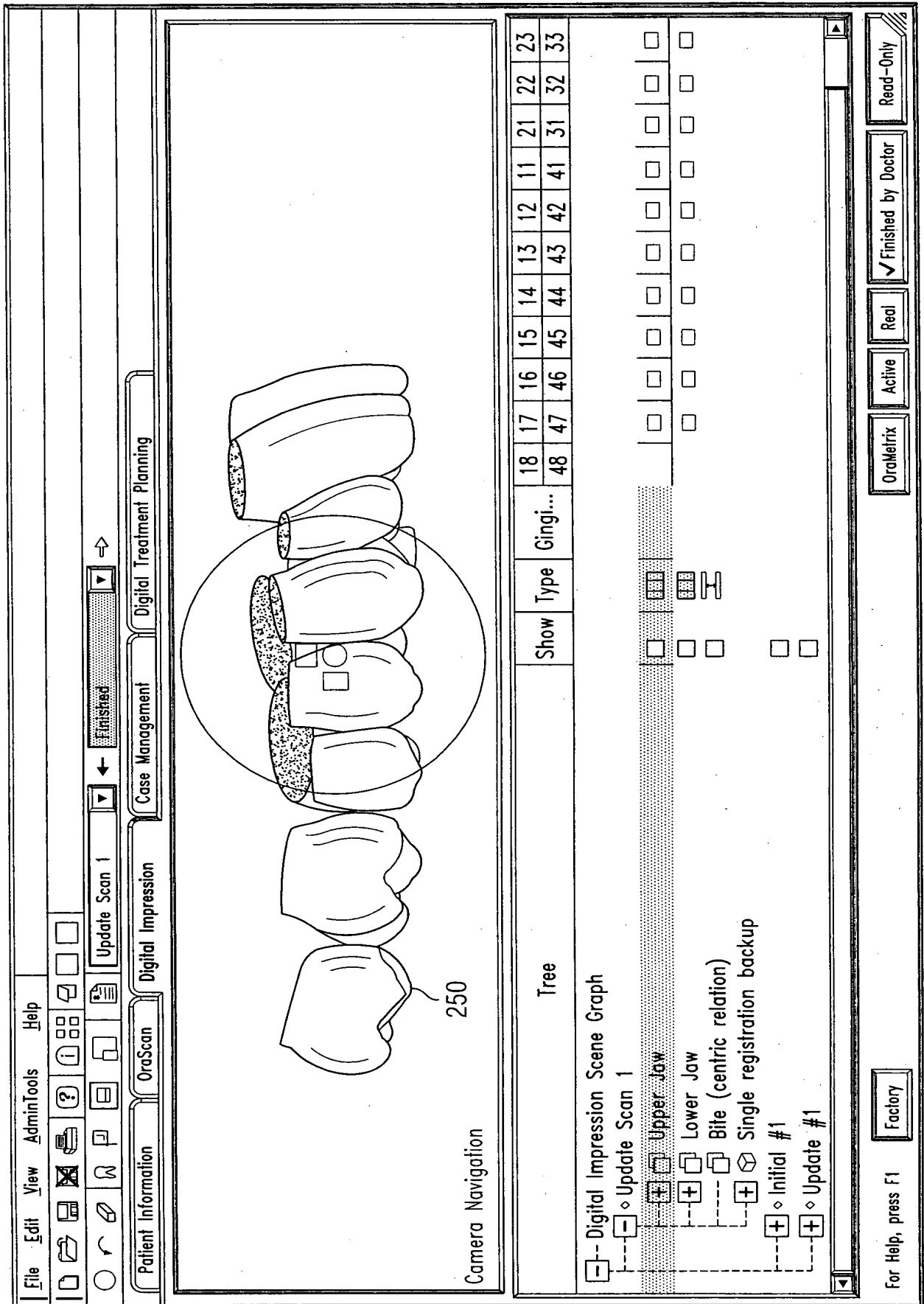
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FIG. 8A



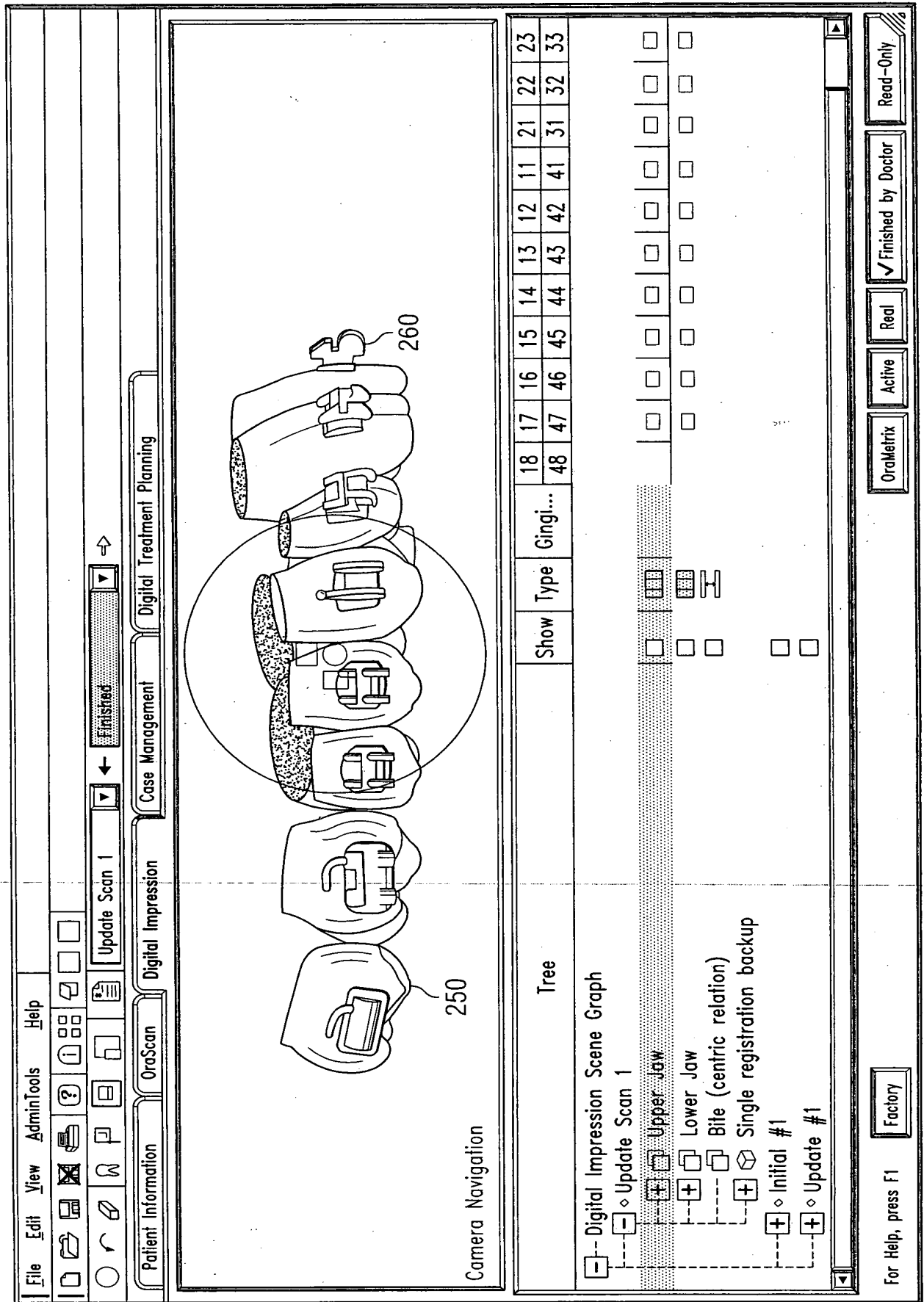
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FIG. 8B



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FIG. 8C



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FIG. 9

File Edit View AdminTools Help

Patient Information OraScan Digital Impression Case Management Digital Treatment Planning

Mandible Space Management

Reference Model Initial #1

310 320 330 340 Bracket Offset

Camera Navigation

Align to: Malocclusion Lateral Segments Arch Form Natural

Parameter Vertical Positions A-P Positions Extractions/Stripping Displacements Brackets

Midline Shift R none L

Cuspid Dist. 29.0 (reference 29.0) mm

Molar Distance 47.1 (reference 47.1) mm

Overbite 3.8 mm

Overjet 3.6 mm

Arch Length Discrepancy Right -0.2mm Left -0.2mm Mandible

Arch Depth Right: 32.5 Left: 30.6

Order in Work

Remove Order

Selected Tooth

Treatment Strategy*

Midline and Esthetic Occlusal Plane*

Occlusal Plane and A-P Positions*

Axial Reference Teeth*

Tooth Mesio-Distal Axis

Alignment 2D - 3D

Mandible Space Management

Maxilla Space Management

Space Management (Mandible and Maxilla)

Space Management Summary*

Order Information

(*is required)

By Status By Type By Date

Not Yet Ordered

Setups

Plant 2003/10/21 03:42AM

In Production

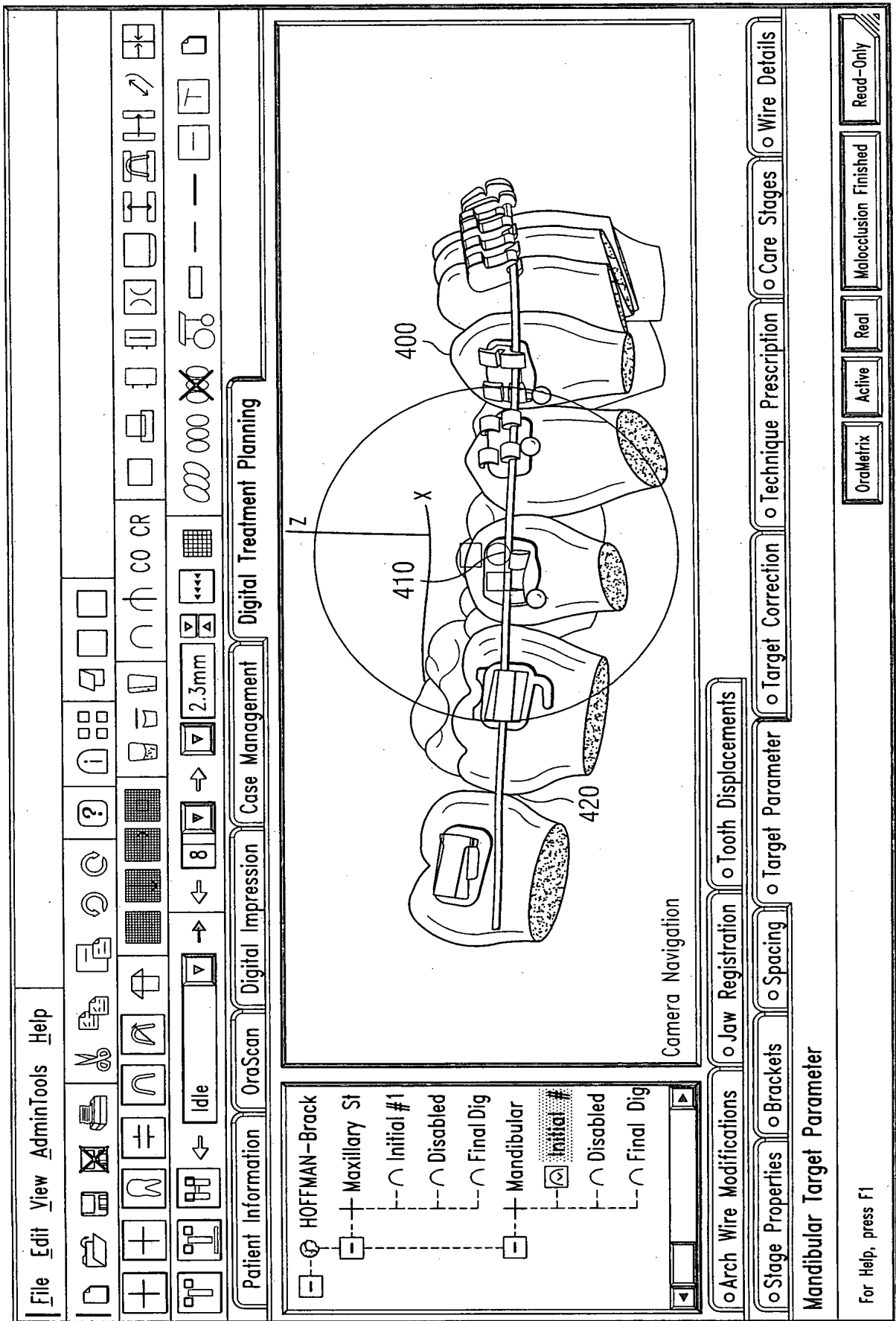
Needs Review

Finished

Canceled

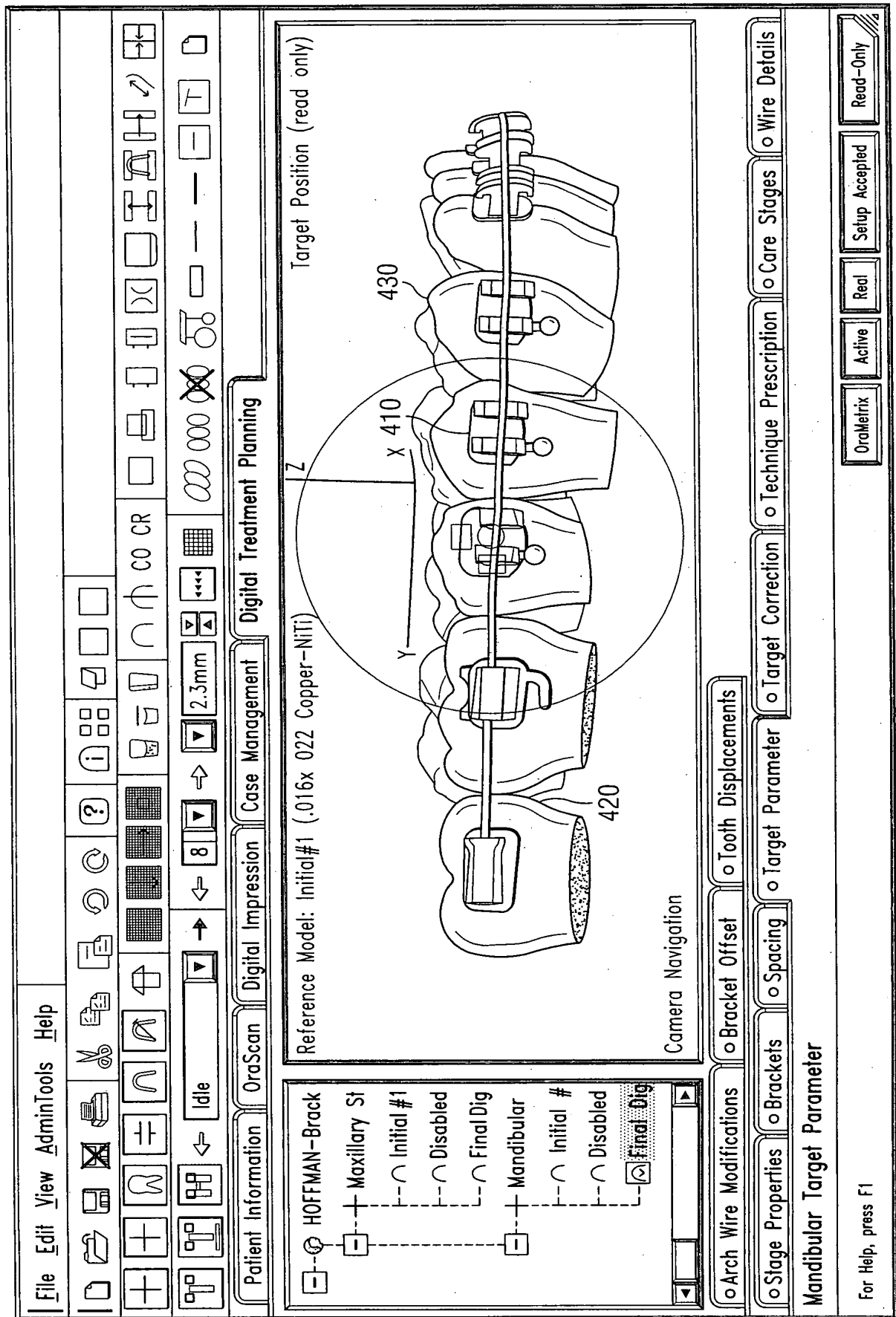
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FIG. 10



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FIG. 11



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FIG. 12

File Edit View AdminTools Help

Case Management **Digital Treatment Planning**

Patient Information **OraScan** **Digital Impression** **Case Management**

Camera Navigation

HOFFMAN-Brack

- Maxillary St
- Initial #1
- Disabled
- Final Dig
- Mandibular
- Initial #
- Disabled
- Final Dig

Target Relation Mandibular/Maxillary

Trans-
versal 0.1 mm

Sagittal 4.2°

Vertical 1.3°

Over-
Bite -1.3°

Over-
Jet 0.8 mm

Reset

Target Offset vs. Malocclusion

Trans-
versal

Sagittal

Vertical

Align to
Reference
Stage

Reset

Move

Rotate

Mandibular Target Parameter

Slide Line Type

Natural

Symmetric

Center Line Offset

Maxilla

Mandible -0.2 mm

Align to:

Observed
Target

Arch Form

Reference Stage:

Initial #1 (.016x.022 Cop)

Mandible cuspid distance:

29.6 (ref. 29.0) mm

Mandible molar distance:

(46-36)

48.7 (ref. 47.1) mm

33.7 mm

Mandible front radius:

33.7 mm

Mandible molar angle:

73 deg.

Target Parameter

Target Correction

Technique Prescription

Care Stages

Wire Details

Arch Wire Modifications

Stage Properties

Brackets

Jaw Registration

Tooth Displacements

Spacing

Read-Only

For Help, press F1

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FIG. 13

File Edit View AdminTools Help

HOFFMAN-Brack

- Maxillary St
- Initial #1
- Disabled
- Final Dig
- Mandibular
- Initial #
- Disabled
- Final Dig

Reference Model: Initial #1 (016x022 Copper-NiTi)

Target Position (read only)

Camera Navigation

Digital Treatment Planning

Case Management

Digital Impression

OraScan

Arch Wire Modifications

Stage Properties

Brackets

Jaw Registration

Tooth Displacements

Target Parameter

Target Correction

Technique Prescription

Care Stages

Wire Details

Align to:

Observed Target

Arch Form

Reference Stage:

Initial #1 (016x022 Cop)

Slide Line Type

Natural

Symmetric

Center Line Offset

Maxilla

Mandible

-0.2 mm

Mandible cuspid distance:

29.6 (ref. 29.0) mm

Mandible molar distance:

(46-36)

48.7 (ref. 47.1) mm

33.7 mm

Mandible front radius:

33.7 mm

Mandible molar angle:

73 deg.

Target Offset vs. Malocclusion

Reset

Align to Reference Stage

Trans-verse

Sagittal

Vertical

Move

Rotate

Target Relation Mandibular/Maxillary

Trans-verse

0.1 mm

Sagittal

1.3'

Vertical

-1.3'

Over-Bite

2.0 mm

Over-Jet

0.8 mm

Reset

Read-Only

Malocclusion Finished

Real

Active

OraMetric

For Help, press F1

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FIG. 14

File Edit View AdminTools Help

610 620 630 650 660 670

Check Wire and bracket intersections with teeth

Digital Treatment Planning

Case Management

Digital Impression

OraScan

Patient Information

Wallen, Linda

Maxillary Stages

Initial #1

Disabled Final 111 Original

Disabled Final Copy of 111

Disabled Final 111 REV 2 W

Disabled Final 111 REV 2 W

Final 111 REV 2 (.016x .02)

Mandibular Stages

Initial #1

Disabled Final 111 Original

Disabled Final Copy of 111

Disabled Final 111 REV 2 W

Disabled Final 111 REV 2 W

Final 111 REV 2 (.016x .02)

Reference Model: Initial #1

Single Tooth

1 Toothwire-Collision (Tooth 28)

2 Bracket Tooth-Collisions (Bracket 33 Bracket 34)

Camera Navigation

665 660 670

o Stage Properties

o Brackets

o Arch Wire Modifications

o Bracket Offset

o Spacing

o Tooth Displacements

o Target Parameter

o Target Correction

o Technique Prescription

o Care Stages

	46	45	44	43	42	41	31	32	33	34	35	36
d. m.	d. m.	d. m.	d. m.	d. m.	d. m.	d. m.	d. m.	d. m.	d. m.	d. m.	d. m.	d. m.
Status												
Slide Increment	0.4	0.2	0.4	0.2	0.4	0.2	0.4	0.2	0.4	0.2	0.4	0.2
Slide Overwrite												
Slide	0.4	0.2	0.4	0.2	0.4	0.2	0.4	0.2	0.4	0.2	0.4	0.2
Slide Reduct.												

Check Wire and bracket intersections with teeth

Factory

OraMetric

Active

Real

Setup Finished

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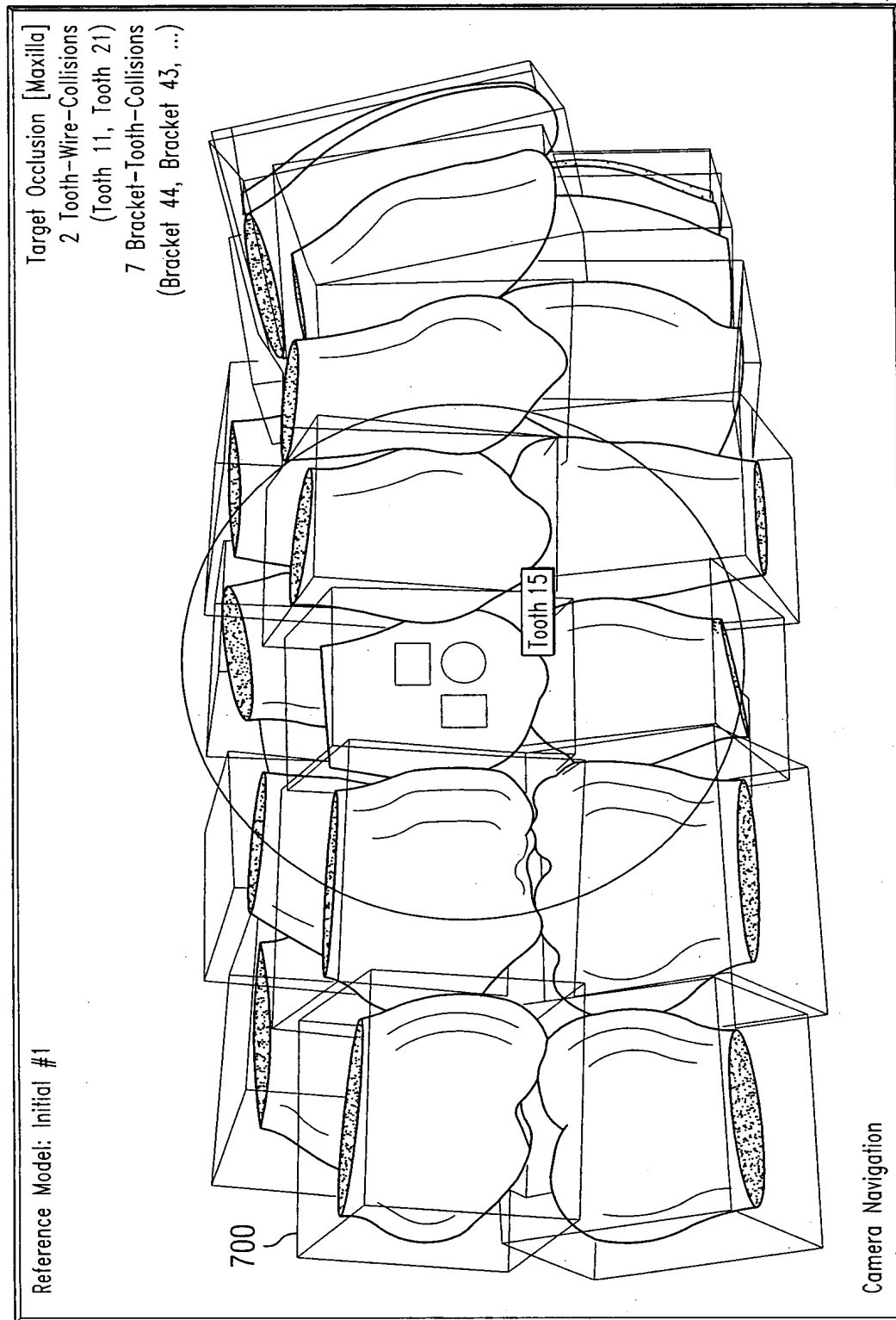


FIG. 15

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FIG. 16

File Edit View AdminTools Help

Patient Information OraScan Digital Impression Case Management Digital Treatment Planning

Mandible Space Management

Reference Model Initial #1. 800

Bracket Offset

Camera Navigation

850

Tooth 45

850

Align to; Malocclusion Straight Wire Arch Form Natural

Midline Shift R none L

Cuspid Dist. 29.0 (reference 29.0) mm

Molar Distance 47.1 (reference 47.1) mm

Arch Depth Right: 32.5 Left: 30.6

Overbite 3.3 mm

Overjet 3.3 mm

Arch Length Discrepancy Right -0.2mm Left -0.2mm Mandible

Parameter Vertical Positions A-P Positions Extractions/Slipping Displacements Brackets

Not Yet Ordered

Setups

Plan: 2003/10/21 03:42AM

In Production

Needs Review

Finished

Canceled

By Status By Type By Date

Treatment Strategy*

Midline and Esthetic Occlusal Plane*

Occlusal Plane and A-P Positions*

Axial Reference Teeth*

Tooth Mesio-Distal Axis

Alignment 2D - 3D

Mandible Space Management

Maxilla Space Management

Space Management (Mandible and Maxilla)

Space Management Summary*

Order Information

(*is required)

Remove Order

OraMetrix Active Real Order in Work

For Help, press F1

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FIG. 17

File Edit View AdminTools Help

Patient Information OraScan Digital Impression Case Management Digital Treatment Planning

Not Yet Ordered -- Setups -- Plan: 2003/10/21 03:42AM -- In Production -- Needs Review -- Finished -- Canceled

By Status By Type By Date

Treatment Strategy*
Midline and Esthetic Occlusal Plane*
Occlusal Plane and A-P Positions*
Axial Reference Teeth*
Tooth Mesio-Distal Axis
Alignment 2D - 3D

Mandible Space Management
Maxilla Space Management
Space Management (Mandible and Maxilla)
Space Management Summary*
Order Information
(*is required)

Remove Order

Reference Model Initial #1

900

950

950

950

Camera Navigation

Align to; Malocclusion Lateral Segments Arch Form Natural

Midline Shift R none L

Cuspid Disl. 29.0 (reference 29.0) mm

Molar Distance 48.8 (reference 47.1) mm

Arch Depth Right: 33.8 Left: 33.7

Overbite 3.2 mm

Overjet 3.3 mm

Arch Length Discrepancy Right 0.0mm Left 0.0mm

Mandible

Brackets Displacements Extractions/Stripping

Order in Work

Real Active OraMetric

For Help, press F1

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FIG. 18

File Edit View AdminTools Help

Maxilla wire on/off

0.0mm

Digital Treatment Planning

Patient Information

OraScan

Digital Impression

Case Management

Reference Model: Monitored Update #1 [.016x.022 Copper-NiTi]

1000

1050 1060

Camera Navigation

Maxillary Stages

Initial

Disabled Final Digit

Monitored Update

Final 2 U 1 Original

Mandibular Stages

Initial

Disabled Final Digit

Monitored Update

Final 2 U 1 Original

Stage Properties

Wire Details

Wire Details

Arch Wire Modifications

Brackets

Bracket Offset

Spacing

Tooth Displacements

Target Parameter

Target Correction

Technique Prescription

Care Stages

	17	16	15	14	13	12	11	21	22	23	24	25	26	27	Status
d.	m.	d.	m.	d.	m.	d.	m.	d.	m.	d.	m.	d.	m.	d.	m.
Slide Increment	0.4	0.2	0.4	0.2	0.4	0.2	0.4	0.2	0.4	0.2	0.4	0.2	0.4	0.2	Slide Increment
Slide Overwrite															Slide Overwrite
Slide	0.4	0.2	0.4	0.2	0.4	0.2	0.4	0.2	0.4	0.2	0.4	0.2	0.4	0.2	Slide
Slide Reduct.															Slide Reduct.

Factory

OraMetrix

Active

Real

Setup Finished

For Help, Press F1